

# CONTACT SMART CARD READER

Model : MCCR10

Mantra Softech is a Global Hi-Tech Manufacturer of Biometric Products and Solutions. We offer a Wide Range of Products in Biometric and RFID Industry.





## Introduction

Mantra MCCR10 Smart Card Reader can also be used for all major types of ISO7816 Contact smart cards. This is highly recommended for all types of contact Smart Cards reading on the go. Reader USB can be easily connected with any PC or Desktop for functioning. This is also known as Plug and play contact smart card reader. This card reader is widely used for verification, identification, and other customized uses.



## Feature

- ◆ USB 2.0 Full Speed Interface
- ◆ USB Bus Powered Device
- ◆ Table top form factor
- ◆ LED indication for power, card insertion and removal
- ◆ Buzzer indication for card insertion and removal
- ◆ Supports PC/SC

## Specifications



### Smartcard Reader

|                              |                                                                                                 |
|------------------------------|-------------------------------------------------------------------------------------------------|
| Number of Slot               | : 1 x Full-sized Card Slot - ID1                                                                |
| Standard                     | : ISO7816 , Class A, B, C (5 V, 3 V, 1.8 V)                                                     |
| Protocol                     | : Asynchronous T=0 and T=1                                                                      |
| Power to Smartcard           | : Class A: 5V @ 60 mA; Class B: 3 V @ 55 mA; Class C: 1.8V @35 mA ATR response time up to 1.6 s |
| LED indication               | : USB Plug-in to PC & Card Removal-Red, Card insertion-Green                                    |
| Buzzer indication            | : Card insertion & Removal - Single Beep Sound                                                  |
| Supply Current               | : Max. 50 mA                                                                                    |
| Smart Card Interface Speed   | : Upto 300 kbps (Depends on card)                                                               |
| Clock Frequency (Smart card) | : Upto 12MHz                                                                                    |
| Card Connector Type          | : Landing type                                                                                  |
| 8 Pin Handling               | : C4 / C8 Supported                                                                             |
| Card Detection               | : Card present switch, Automatic detection of smart card type                                   |
| Smart Card Protection        | : Short Circuit Protection                                                                      |



### USB Host Interface

|                |                               |
|----------------|-------------------------------|
| Protocol       | : USB CCID                    |
| Connector Type | : USB Type A                  |
| Power Source   | : From USB port 5V            |
| Speed          | : USB 2.0 full speed (12mbps) |



### API

|                |               |
|----------------|---------------|
| PC Linked Mode | : PC/SC - API |
|----------------|---------------|



### Environmental Characteristics

|                |                             |
|----------------|-----------------------------|
| Temperature    | : -10 °C to +60 °C          |
| Humidity       | : Max. 90% (non-condensing) |
| Compliance     | : ISO 7816, USB Full Speed  |
| Certifications | : BIS IS (13252 (Part 1))*  |



### Mechanicals

|            |                                     |
|------------|-------------------------------------|
| Dimensions | : 87 mm (L) x 68 mm (W) x 14 mm (H) |
| Weight     | : Approx 85g                        |



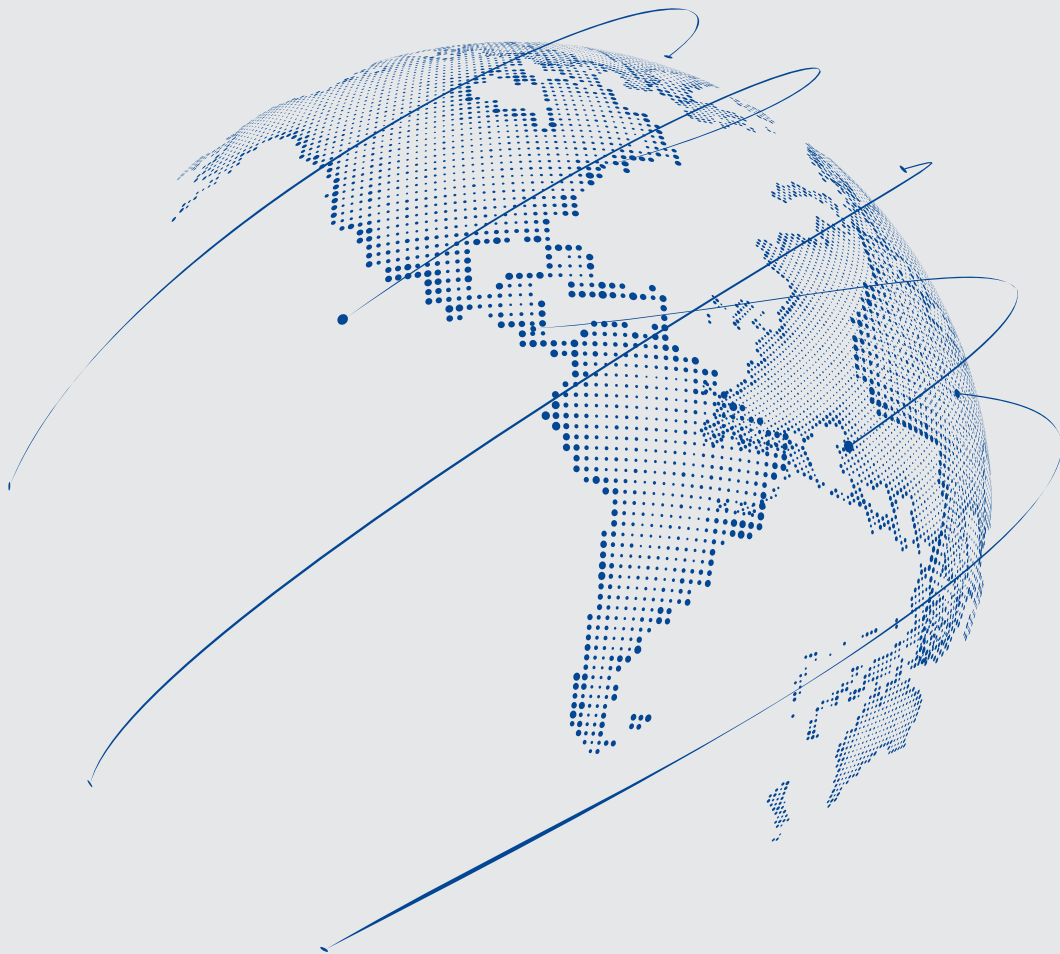
### Supported OS

|                  |                                 |
|------------------|---------------------------------|
| Operating System | : Win x86 & x64, Linux, Android |
|------------------|---------------------------------|

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